**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT****(Under 37 CFR 1.97(b) or 1.97(c))**

Docket No.

15037-US-CIPIn Re Application Of: **Louis-Philippe LEFEBVRE, et al.**

Serial No.

10/600,839

Filing Date

23 June 2003

Examiner

Group Art Unit

1742Title: **METHOD OF MAKING OPEN CELL MATERIAL**

Address to:
Assistant Commissioner for Patents
Washington, D.C. 20231

37 CFR 1.97 (b)

1. ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application; within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or before the mailing date of a first Office Action on the merits, whichever event occurs last.

37 CFR 1.97 (c)

2. ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing of a national application, or the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; or after the mailing date of a first Office Action on the merits, whichever occurred last but before the mailing date of either:

1. a Final Action under 37 CFR 1.113, or
2. a Notice of Allowance under 37 CFR 1.311,

whichever occurs first.

Also submitted herewith is:

- ☐ a certification as specified in 37 CFR 1.97(e);

OR

- ☐ the fee set forth in 37 CFR 1.17(p) for submission of an Information Disclosure Statement under 37 CFR 1.97(c).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.
15037-US-CIP

In Re Application Of: Louis-Philippe LEFEBVRE, et al.

Serial No.

10/600,839

Filing Date

23 June 2003

Examiner

Group Art Unit

1742

Title: METHOD OF MAKING OPEN CELL MATERIAL

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☐ A check in the amount of _____ is attached.
- ☐ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. _____ as described below. A duplicate copy of this sheet is enclosed.
- ☐ Charge the amount of _____
- ☐ Credit any overpayment.
- ☐ Charge any additional fee required.

Certificate of Transmission by Facsimile*

I certify that this document and authorization to charge deposit account is being facsimile transmitted to the United States Patent and Trademark Office (Fax. No. _____) on _____

(Date)

Signature

Typed or Printed Name of Person Signing Certificate

Certificate of Mailing by First Class Mail

I certify that this document and fee being deposited on _____ with the U.S. Postal Service as first class mail under 37 C.F.R. 1.8 and addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Mailing Correspondence

*This certificate may only be used if paying by deposit account.


Signature

Dated: 5 April 2004

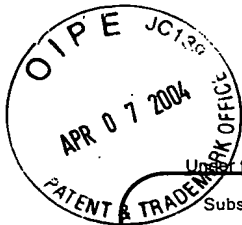
Richard J. Mitchell

34,519

Marks & Clerk Canada
P.O. Box 957
Station B
Ottawa, ON, K1P 5S7
Phone: (613) 236-9561



* 2 3 5 5 3 *



PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1 of 4

Complete if Known

Application Number	10/600,839
Filing Date	23 June 2003
First Named Inventor	Louis-Philippe LEFEBVRE
Art Unit	1742
Examiner Name	
Attorney Docket Number	15037-US-CIP

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 3,471,473	10-07-1969	Walker	
		US- 5,881,353	03-09-1999	Kamigata et al.	
		US- 5,865,237	02-02-1999	Schorghuber et al.	
		US- 5,848,351	12-08-1998	Hoshino et al.	
		US- 5,759,400	06-02-1998	Fanning	
		US- 5,640,669	06-17-1997	Harada et al.	
		US- 5,296,261	03-22-1994	Bouet et al.	
		US- 5,181,549	01-26-1993	Shapovalov	
		US- 5,151,246	09-29-1992	Baumeister et al.	
		US- 5,132,080	07-21-1992	Pfeil	
		US- 5,112,696	05-12-1992	Roberts	
		US- 4,973,358	11-27-1990	Jin et al.	
		US- 4,957,543	09-18-1990	Babjak et al.	
		US- 4,775,598	10-04-1988	Jaekel	
		US- 4,713,277	12-15-1987	Akiyama et al.	
		US- 4,569,821	02-11-1986	Duperray et al.	
		US- 4,430,294	02-07-1984	Tracey	
		US- 4,251,603	02-17-1981	Matsumoto et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 91/03578	03-21-1991			
		WO 92/03583	03-05-1992			
		WO 91/01387	02-07-1991			
		WO 91/19823	12-26-1991			
		WO 94/09931	05-11-1994			

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 2 of 4**Complete if Known**

Application Number	10/600,839
Filing Date	23 June 2003
First Named Inventor	Louis-Philippe LEFEBVRE
Art Unit	1742
Examiner Name	
Attorney Docket Number	15037-US-CIP

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 4,225,346	09-30-1980	Helliker et al.	
		US- 3,897,221	07-29-1975	Salzer et al.	
		US- 3,833,386	09-03-1974	Wood et al.	
		US- 3,796,565	03-12-1974	Hancock et al.	
		US- 3,794,481	02-26-1974	Niebylski et al.	
		US- 3,087,807	04-30-1963	Allen et al.	
		US- 3,078,552	02-26-1963	Grandey	
		US- 6,171,532 B1	01-09-2001	Sterzel	
		US- 5,213,612	05-25-1993	Minnear et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		WO 92/21457	12-10-1992			
		EP 0 210 803	09-20-1989			
		FR 1,573,864	06-02-1969			
		JP 05-006763	01-14-1993			
		FR 1,307,084	09-10-1962			

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

4

of

4

Complete if Known

Application Number

10/600,839

Filing Date

23 June 2003

First Named Inventor

Louis-Philippe LEFEBVRE

Art Unit

1742

Examiner Name

Attorney Docket Number

15037-US-CIP

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		SORIA, R., "Overview on industrial membranes", Catalysis Today, 25, 1995, pages 285-290.	
		SCHWARTZ, Daniel S. et al., "Porous and cellular materials for structural applications", Materials Research Society Symposium Proceedings, Vol. 521.	
	✓	BANHART, J. et al. "Metal Foams", Fraunhofer USA Metal Foam Symposium, 1997.	
		KAPTSEVICH, V.M., et al. "Influence of the morphology of the original powder particles on the properties of porous materials", 1990, pages 308-313.	
		SOLAIYAN, C. et al., "Preparation and characterisation of porous electrodes from nickel powder for fuel cells", Indian Journal of Chemical Technology, Vol. 6, 1999, pages 48-54.	
		KALAIYAN, G. Paruthimal, et al., "Analysis of porous iron electrodes by scanning electron microscopy", B. Electrochem, 1989, pages 99-105.	
		STILLER, C. "Manufacturing and characterisation of low density titanium parts", pages 189-194.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.